AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions of claims in the application.

Claim 1 (Currently Amended) A printer apparatus, which is specified by the host to print in logical-page units, the printer apparatus comprising ~~and comprises~~:

a mechanical controller that receives ~~for receiving~~ a printing command, controls ~~controlling~~ a printing engine that prints on a printing medium, and detects ~~detecting~~ when there is no ~~said~~ printing medium in ~~said~~ the printing engine; and

a printer controller that receives ~~for receiving~~ a printing instruction from the ~~said~~ host to print in logical-page units, creates ~~and creating~~ printing data and sends the printing data to the mechanical controller;

wherein the ~~said~~ printer controller calculates the total physical length of the ~~said~~ logical-pages after creating the ~~said~~ printing data and prevents the mechanical controller from detecting no printing medium error according to the calculated total physical length of the logical-pages and a physical length of one page of the printing medium.[[,]] ~~according to the calculated total physical length of said logical-pages and a physical length of one page of said printing medium, sends said printing command and said printing data to said mechanical controller and controls the detection operation of said mechanical controller for detecting when there is no said printing medium.~~

Claim 2 (Currently Amended) The printer apparatus of claim 1, wherein

the said printer controller creates bitmap data for each logical page as the said printing

data according to the printing instruction from the said host for printing in logical-page units

until the total physical length of plurality of the said logical pages reaches the said physical

length of one page of the said printing medium, and then sends the said print command and the

said bitmap data in logical-page units to the said mechanical controller in the said logical-page

units.

Claim 3 (Currently Amended) The printer apparatus of claim 1, wherein

the said printer controller receives logical-page lengths from the said host, and calculates

the total physical length of the said logical-pages.

Claim 4 (Currently Amended) The printer apparatus of claim 1, wherein

the said printer controller calculates a physical length of the said total logical pages,

according to logical-page lengths and number of logical pages received from the said host.

Claim 5 (Currently Amended) The printer apparatus of claim 1, wherein

the said printer engine comprises an engine for printing on a continuous printing medium,

having a set fold length, as the said printing medium.

Claim 6 (Currently Amended) The printer apparatus of claim 1, wherein

the said printer controller checks a physical length in the said logical-page units.

Claim 7 (Currently Amended) A printer control method for printing in logical-page units according to a command of a host, the method comprising:

receiving a printing instruction from the said host to print in logical-page units;

creating printing data to be printed on a print medium by a print engine according to the said printing instruction;

calculating the total physical length of the said logical-pages;

referencing a physical length of one page of the said print medium;

sending a printing command and the said printing data to a mechanical controller for controlling the said print engine and controlling the detection operation of the said mechanical controller so as to prevent the mechanical controller from detecting no print medium error according to the calculated total physical length of the logical-pages and a physical length of one page of the print medium.

Claim 8 (Currently Amended) The printer control method of claim 7, wherein

the said creating step comprises a step of creating bitmap data for each logical page as the said printing data according to the printing instruction from the said host for printing in logical-page units until the total physical length of plurality of the said logical pages reaches the said physical length of one page of the said printing medium,

and the said sending step comprises a step of sending the said print command and the said bitmap data in logical-page units to the said mechanical controller in the said logical-page units.

Claim 9 (Currently Amended) The printer control method of claim 7, wherein

the ~~said~~ calculating step comprises a step of calculating the total physical length of the

~~said~~ logical-pages according to logical-page lengths received from the ~~said~~ host.

Claim 10 (Currently Amended) The printer control method of claim 7, wherein

the ~~said~~ calculating step comprises a step of calculating the physical length of the ~~said~~

total logical pages, according to logical-page lengths and a number of logical pages received

from the ~~said~~ host.

Claim 11 (Currently Amended) The printer control method of claim 7, wherein

the ~~said~~ printing engine comprises an engine for printing on a continuous printing

medium, having a set fold length, as the ~~said~~ print medium.

Claim 12 (Currently Amended) The printer control method of claim 7, wherein

the ~~said~~ referencing step comprises a step of checking a physical length in the ~~said~~ logical-page

units.

Claim 13 (New) The printer apparatus of claim 1, wherein the printer controller sends an

error mask command to the mechanical controller when the printer controller detects that the

calculated total physical length of the logical-pages matches the physical length of one page of

the printing medium.

Claim 14 (New) The printer control method of claim 7, wherein the printer controller sends an error mask command to the mechanical controller when the printer controller detects that the calculated total physical length of the logical-pages matches the physical length of one page of the print medium.